

limited warranty policy

amplifiers

All Pyle products are carefully constructed and thoroughly tested before shipment. Products purchased in the USA are warranted to be free of defects in material and workmanship for two (2) years from the date of purchase. This warranty is limited to the original retail purchase.

Should the product fail due to factory defects in material or workmanship, your unit will be repaired or replaced at the sole discretion of Pyle.

To obtain warranty service you must first call our Consumer Return Hotline number at (718) 236-6948 to obtain a Return Authorization number. This R.A.# must appear on the outside of your package and on all paperwork relating to your return.

When returning a product to us for warranty service it must be carefully packed and shipped prepaid to:

R.A.#____________
Pyle Service Center
1600 63rd Street
Brooklyn, NY 11204

You must also include the following items:

- A copy of your sales receipt or other proof of purchase
- A brief letter indicating the problem you are experiencing
- include in your letter your return address, daytime phone number, and R.A. number
- also include a check or money order for $18.00 for return shipping, handling, and insurance, or provide your Visa/MC number with expiration date.

Our obligation under this warranty is limited to the repair or replacement of the defective unit when it is returned to us prepaid. This warranty will be considered void if the unit was tampered with, improperly serviced, or subject to misuse, neglect, or accidental damage.

www.pyleaudio.com

user's manual

PLMRA620

high performance car audio amplifier

PYLE

congratulations...

on your purchase of a Pyle Marine Series amplifier. This amplifier extends the Pyle tradition into a totally new series of amps, designed from the ground up to deliver the power, performance and flexibility the modern car audio enthusiast demands.

When you check the list of features offered by the PLMRA620 you'll know you made the right choice with a Pyle Marine amplifier.

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table of contents

PYLE

general features

PLMRA620

High Performance 2000 Watt 6 Channel
Bridgeable MOSFET Amplifier

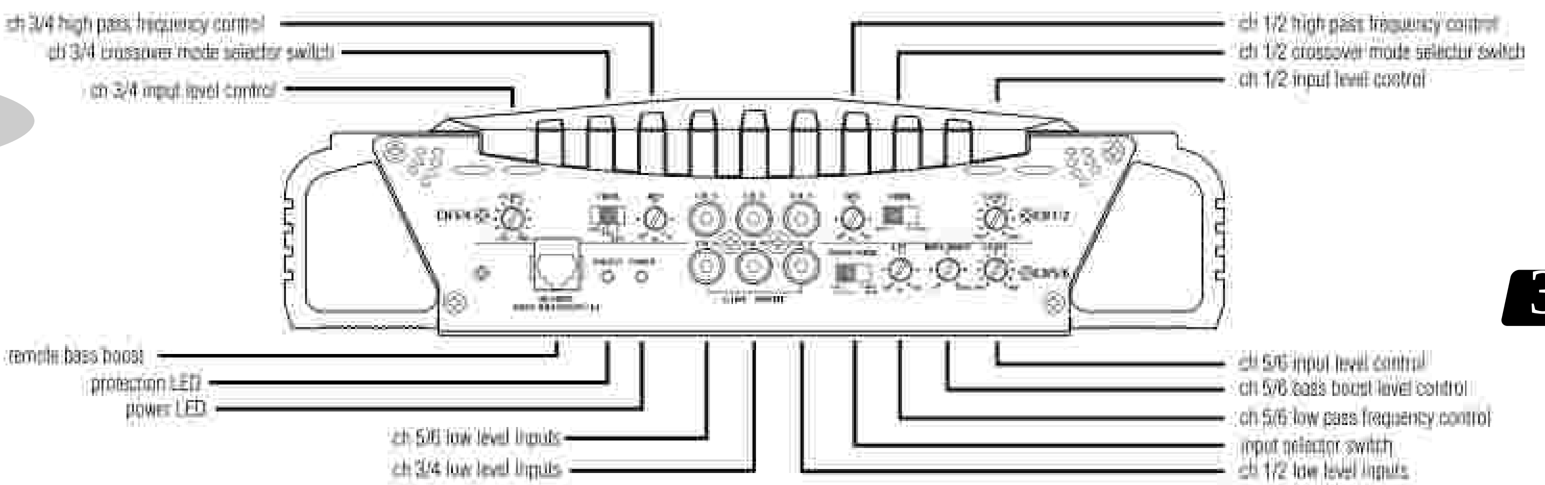
· 100 Watts x 4 Output. +250 Watts x 2 Output.
· 250 W x 4. +500 W x 2 Bridged Output (400 W x 2 + 900 W x 1)
· Variable Hi/Lo Electronic Crossover Network (CH1/CH2/ and CH3/CH4)
· Variable Bass Boost (0 - +18 dB @ 60Hz) (CH5/CH6)
· Variable Input Level (Gain) Control
· Low and High Pass Filter Controls(CH3/CH4)
· Remote Turn On/Off
· Gold Plated RCA Inputs
· Power ON LED Indicator
· LED Protection Indicator
· S/N Ratio: > 95 dB
· THD: <0.04%
· Thermal Protection
· Overload Protection
· Short Circuit Protection
· Anti-Thump Turn-On
· Blue LED Level Display

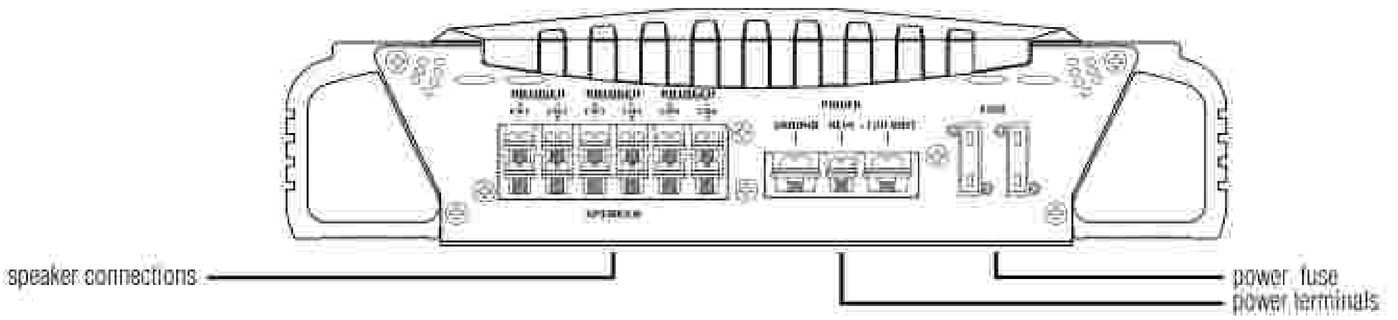
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features and specifications

6 ch amp PLMRA620

PLMRA620





features and specifications

6 ch amp PLMRA620

CH3/CH4 crossover mode selector	when used with normal, full range systems, set this switch to “FULL.” If you wish to use the internal crossover to power a driver of specific frequency range, use the “LOWPASS” or “HIGHPASS” settings.
input level control	use this control to match the outputs of your head unit to the amplifier. Starting with your head unit set at about the 2 o'clock position, increase the amp level control until distortion begins to occur, and reduce slightly from this point.
CH5/CH6 low pass frequency control	when the crossover selector switch is in “low pass” mode, this control sets the upper frequency limit for audio program sent to the speakers.
CH1/CH2/CH3/CH4 high pass frequency control	when the crossover selector switch is in “high pass” mode, this control sets the lower frequency limit for audio program sent to the speakers.
bass boost level control	this control permits adjustment of the bass level up to an increase of approximately 18 dB.
low level inputs	this amp features gold-plated RCA input jacks for high impedance input. Use these with car stereo output which uses RCA-type connector cables.
power LED	this indicator is illuminated when power is applied.
protection LED	this indicator is illuminated when built-in protection circuitry is activated.
power fuse	the fuse protects the amplifier and your car's electrical system from short circuit conditions.
power terminals	use these connectors to deliver power, ground and remote turn-on control to the amplifier.
speaker connections	these terminals are 14K gold plated to guarantee high conductivity and minimum signal loss.

PLMRA620

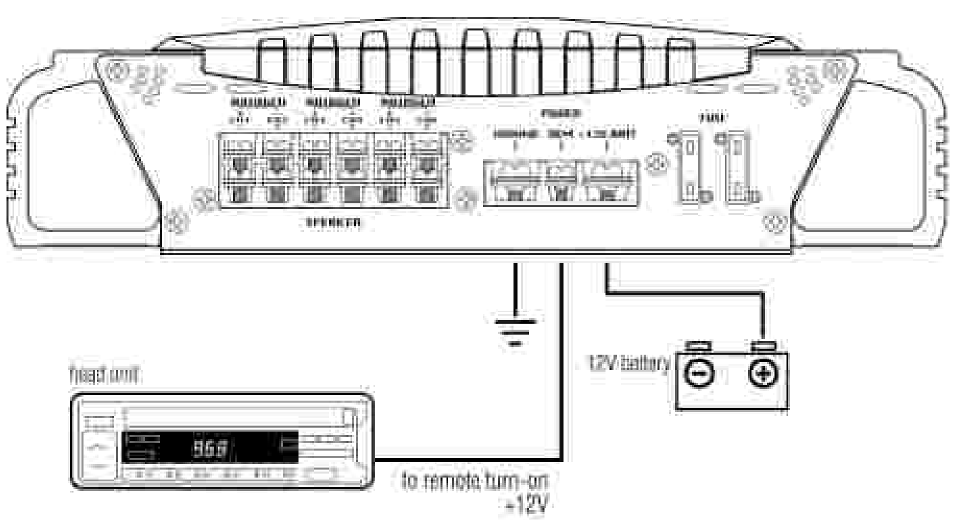
6 channel amplifier

output power @ 14.4v DC, 1KHz	
RMS Power @ 4 Ohms	*4 x 100 Watts + 2 x 250 Watts*
RMS Power @ 2 Ohms	*4 x 175 Watts + 1 x 400 Watts*
Maximum Power Output	*4 x 250 Watts + 2 x 500 Watts*
frequency response	*15 Hz-30 KHz*
input impedance	
low level inputs	*10K Ohms*
high level inputs	*100 Ohms*
input sensitivity	
low level inputs	*250mV*
power supply voltage	*14.4V DC Neg. Ground (10.5-16V)*
matching speaker impedance	
stereo mode	*2-4 Ohms*
bridged mode	*4-8 Ohms*
maximum current draw	*30A x 2*
dimensions (W x H x L)	
mm	*276 x 69.5 x 498*
inches	*10.9 x 2.7 x 19.6*

electrical connections

6 ch amps PLMRA620

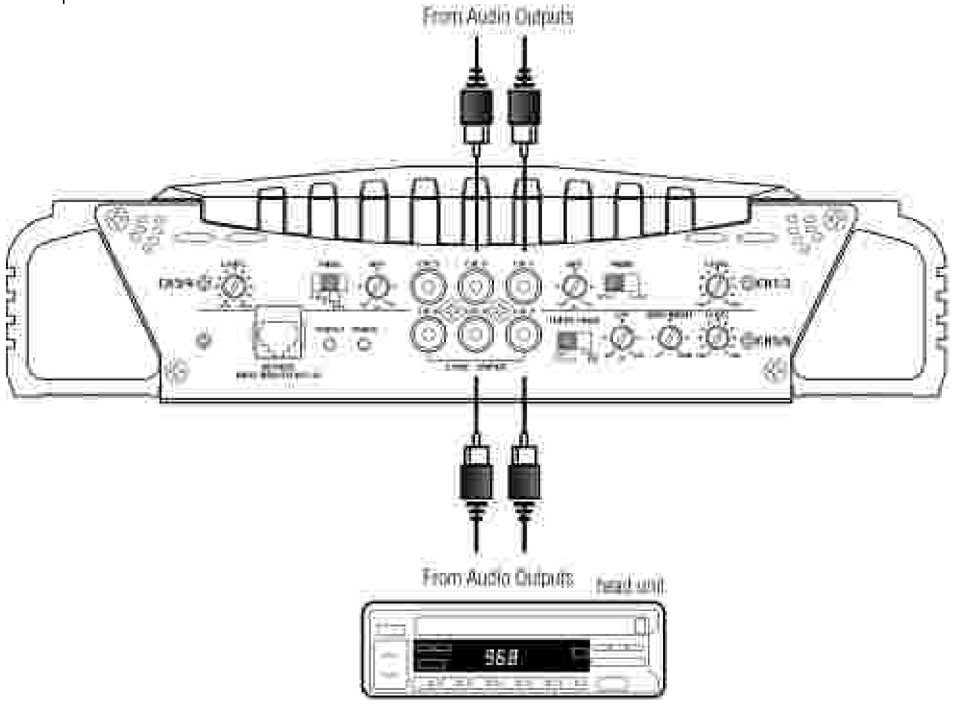
PLMRA620



6 channel input connections
6 ch amps PLMRA620

PLMRA620

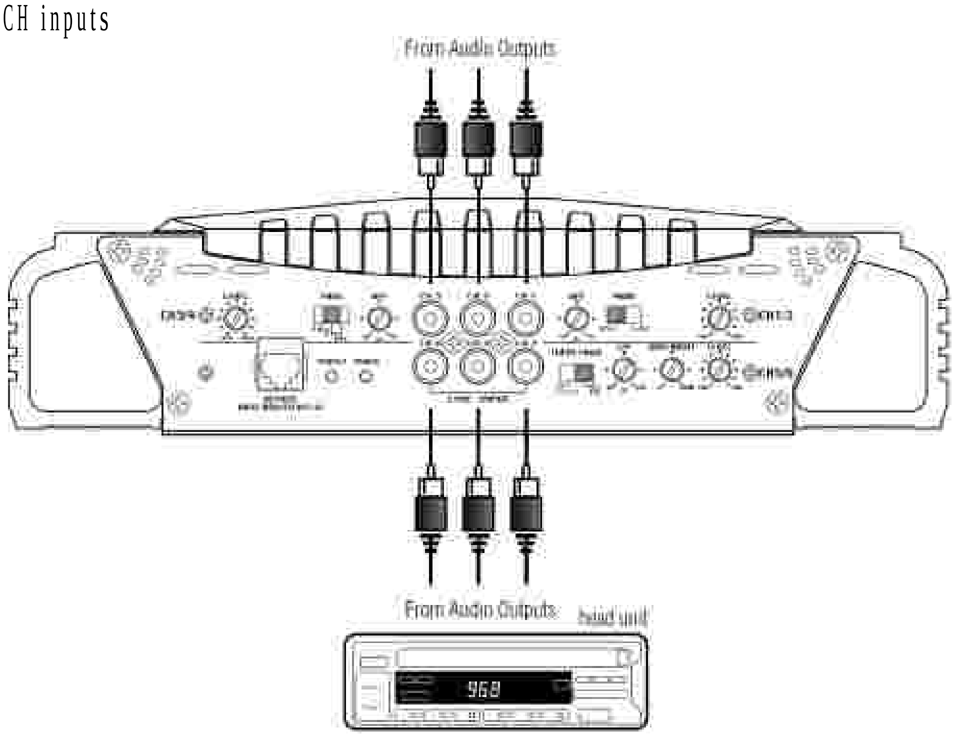
4CH inputs



mono input connections
6 ch amps PLMRA620

PLMRA620

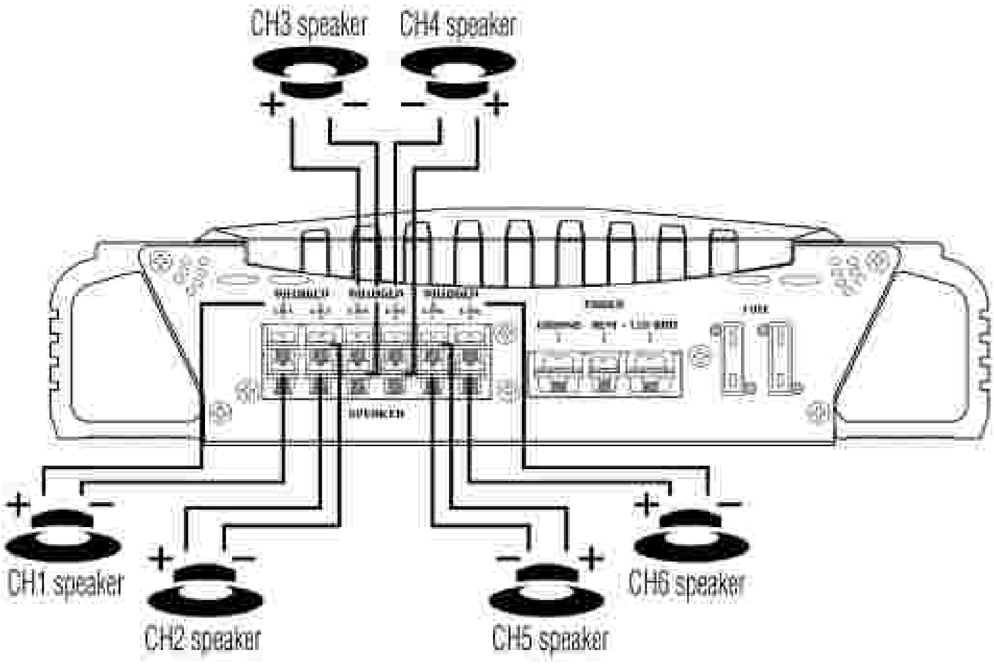
6CH inputs



speaker connections
6 ch amps PLMRA620

PLMRA620

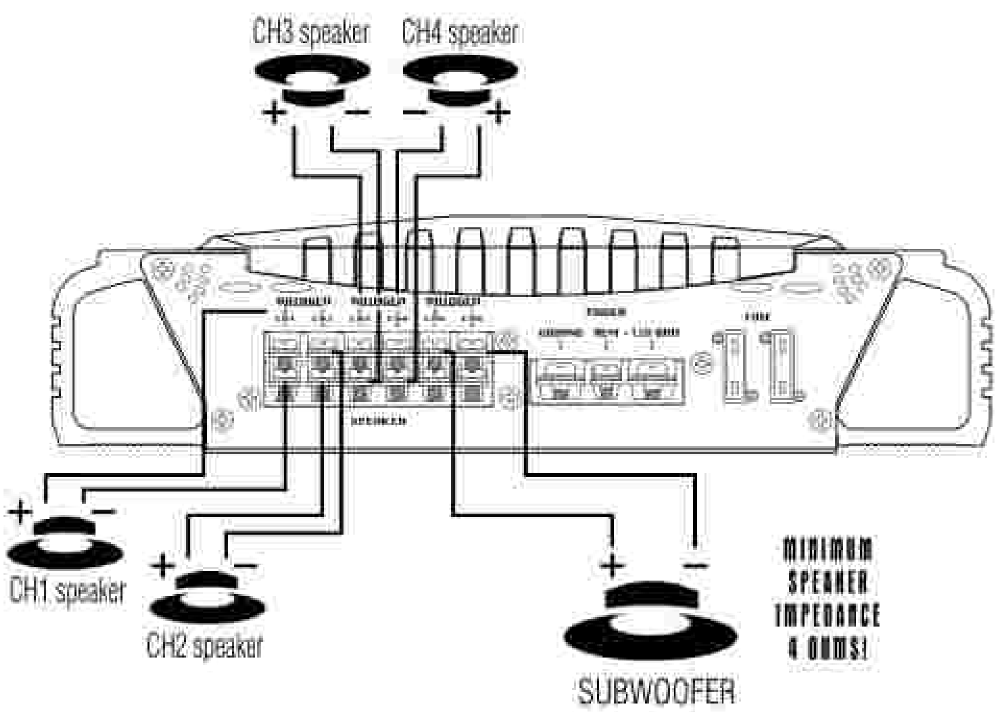
6 CH Output Mode



speaker connections
6 ch amp PLMRA620

PLMRA620

Mono Bridged Subwoofer Output



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m o u n t i n g   a n d   i n s t a l l a t i o n

mounting

Your new Pyle Marine Series amplifier comes complete with all required mounting hardware. When determining a suitable location in your vehicle for the amp, please remember that it is a high-power electronic device capable of generating high heat.

For this reason, always choose a location in your vehicle which has low vibration, adequate ventilation, a minimum of dust, and no moisture. Be sure to mount the amp in such a manner as to allow reasonable airflow over the cooling fins.

Mark the location for the mounting screw holes by positioning the amp where you wish to install it and use a scribe (or one of the mounting screws) inserted in each of the mounting holes to mark the mounting surface. If the mounting surface is carpeted, measure the hole centers and mark with a felt tip pen.

Before attempting to drill the mounting holes, take note of any wires, lines or other devices in your vehicle which may be located behind the mounting surface! Then drill pilot holes in the mounting surface for the mounting screws and insert them. Tighten the screws securely.

wiring tips

When making electrical connections to your amplifier, please observe the following:

Use at least 8 gauge wire for power and ground connections.

Wire the amplifier directly to the car battery.

For the ground connection, use the shortest possible wire to a good chassis ground point.

Wire the Remote connection to the auto start lead of your head unit, equalizer or power antenna.

fuses

About power fuses:

Pyle Marine Series amplifiers feature built-in fuse systems. These fuses protect both the amplifier and the electrical system in your vehicle from fault conditions. If you ever need to replace the fuse in your Pyle Marine Series amp, use a fuse of exactly the same type and rating. A different type or rating of fuse may result in damage or fire.

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p r o t e c t i o n   c i r c u i t r y

The built-in protection circuitry in the Marine amplifiers will disable the amplifier if it senses an input overload, a speaker short circuit, or extreme temperature conditions.

When the protection circuit is activated by any of these conditions, the Protection LED will be illuminated.

If this occurs, carefully inspect the system to determine the source of the problem.

• If the shutdown was a result of a thermal overload condition, allow the amplifier to cool down before attempting to restart it.

• If the shutdown was a result of an input overload, or speaker short circuit, be sure to correct the condition before restarting.

The amplifier can be restarted by turning the remote power OFF and then ON again.

t r o u b l e s h o o t i n g

No output.
Confirm that all terminal strip connections are secure and tight.

Check both in-line and built-in fuses. Both the +12V and the Remote terminals must have +12v referenced to chassis ground.

Confirm that the audio signal source (car radio, equalizer, etc.) is connected and is supplying output signal. To check if the amp is supplying signal, unplug the cables from the signal source (but leave them plugged into the amp). Briefly tap the center pin of each of the disconnected RCA plugs with your finger. This should produce a noise (feedback) in your speakers.

Only one channel works.
Confirm that all terminal strip connections are secure and tight.

Check the Balance control on the head unit (or other source) to verify that it is set to its midpoint.

If you are using the Low Level RCA input, reverse the input plugs at the amplifier (i.e., switch the L with the R). If the channels which is silent switches to the other side, the problem is either in the head unit/other source or the connecting cables.

Weak output.
Readjust the Input Level Control(s) to better suit the input signal.

Noise in the audio.
If the noise is a “whine” whose pitch follows the engine speed, confirm that the amplifier and any other signal sources (head unit, etc.) are properly grounded.

If the noise is a “clicking” or “popping” noise whose rate follows the engine speed, this usually means that the vehicle is equipped with resistor spark plugs and wires, or that the ignition is in need of service.

Check the rounting of the speaker and input wires to make sure they are not adjacent to wires which interconnect lights and other accessories.

If the above steps fail to improve or clear noise interference, the system should be checked by a professional mobile audio installer.

precautions

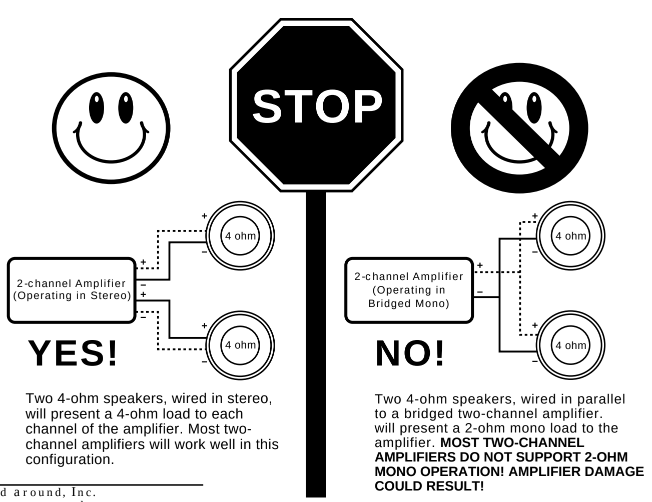
Do not operate the amplifier when it is unmounted. Attach all audio system components securely within the automobile to prevent damage, especially in an accident.

Do not mount this amplifier so that the wire connections are unprotected, or in a pinched condition, or likely to be damaged by nearby objects.

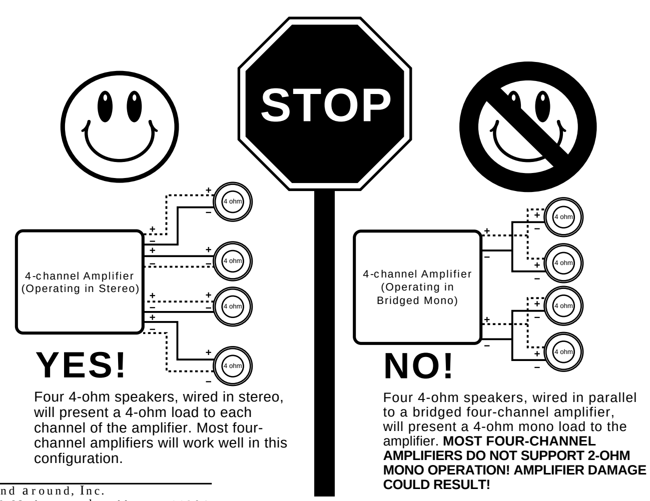
Before making or breaking power connections in your system, disconnect the vehicle battery. Confirm that your head unit or other equipment is turned off while connecting the input jacks and speaker terminals.

If you need to replace the power fuse, do so only with a fuse identical to that supplied with the amplifier. Using a fuse of a different type or rating may result in damage that isn't covered in the manufacturer's warranty.

notes



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